

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-15,287

SERIAL NO.

JC846 U.S. PRO  
09/724622  
11/28/00
**LIST OF PRIOR ART CITED BY APPLICANT**  
 (Use several sheets if necessary)

APPLICANT(S)

Irwin J. SINGER et al.

FILING DATE

GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>an</i>	AA	3,338,992	08/1967	Kinney	264	24	
	AB	3,341,394	09/1967	Kinney	161	72	
	AC	3,502,538	03/1970	Petersen	161	150	
	AD	3,502,763	03/1970	Hartmann	264	210	
	AE	3,542,615	11/1970	Dobo et al.	156	181	
	AF	3,692,618	09/1972	Dorschner et al.	161	72	
	AG	3,802,817	04/1974	Matsuki et al.	425	66	
	AH	3,849,241	11/1974	Butin et al.	161	169	
	AI	4,340,563	07/1982	Appel et al.	264	518	
	AJ	6,001,303	12/1999	Haynes et al.	264	555	
	AK	3,458,387	07/1969	Suskind et al.	161	154	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>an</i>	AL	0 729 375 B1	04/1999	EPO	B01D	39/08		
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

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EXAMINER	<i>Myra M. Clark</i>	DATE CONSIDERED	<i>8/16/2002</i>
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>dr</i>	AA	4,196,245	04/1980	Kitson et al.	428	198	
	AB	4,756,786	07/1988	Malaney	156	308.2	
	AC	4,904,521	02/1990	Johnson et al.	428	284	
	AD	5,073,436	12/1991	Antonacci et al.	428	219	
	AE	5,213,881	05/1993	Timmons et al.	428	224	
	AF	5,258,220	11/1993	Joseph	428	284	
	AG	5,415,925	05/1995	Austin et al.	428	287	
	AH	5,454,848	10/1995	Miller	65	442	
	AI	5,464,688	11/1995	Timmons et al.	428	298	
	AJ	5,554,435	09/1996	Gupta et al.	428	224	
<i>V</i>	AK	5,616,408	04/1997	Oleszczuk et al.	442	346	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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EXAMINER

*Irwin J. SINGER*

DATE CONSIDERED

*8/16/2002*

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USCOMM-DC 80-3985

P1005.1/14

FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KCC-15,287	SERIAL NO.
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT(S) Irwin J. SINGER et al.	
		FILING DATE	GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Cr</i>	AA	5,660,910	08/1997	Hoyt et al.	428	95	
	AB	5,804,512	09/1998	Lickfield et al.	442	346	
	AC	5,811,178	09/1998	Adam et al.	428	218	
	AD	5,817,584	10/1998	Singer et al.	442	345	
	AE	5,855,784	01/1999	Pike et al.	210	505	
	AF	5,885,909	03/1999	Rudisill et al.	442	82	
<i>V</i>	AG	5,939,341	08/1999	Brown et al.	442	351	
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

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EXAMINER

*Myra Maehle*

DATE CONSIDERED

*8-27-2002*

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USCOMM-DC 80-3985

P1005.I/14

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. KCC-15,287		SERIAL NO. 09/724,622	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT(S) Irwin J. SINGER et al.			
				FILING DATE 28 November 2000		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Ar</i>	AA	4,714,647	12/1987	Shipp, Jr. et al.	428	212	
	AB						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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EXAMINER <i>Ar</i>				DATE CONSIDERED <i>8-16-2002</i>			

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P1005.2/14